Application No. 10/772,823
Docket No. 2000U042D1-CON2
Reply to Office Action Dated 12/09/2004

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A neat polymer comprising a unprocessed, untreated granular bimodal polyolefin comprising ethylene derived units and at least one comonomer unit selected from the group consisting of C_4 to C_{12} α-olefin derived units; wherein sieved neat polymer fractions obtained from 35, 60 and 120 mesh sieve sizes have I_2 values that are within 40% of one another; characterized in that the WPR of the polymer is greater than 10 and less than 30.

2. (Original) The neat polymer of Claim 1, wherein the I_2 values of the polymer fractions are within 30% of one another.

3. (Original) The neat polymer of Claim 1, wherein the I_2 values of the polymer fractions are within 10% of one another.

4. (Original) The neat polymer of Claim 1, wherein the I_2 values of the polymer fractions are within 6% of one another.

5. (Original) The neat polymer of Claim 1, wherein the I_2 values of the polymer fractions are within 4% of one another.

6. (Original) The neat polymer of Claim 1, wherein sieved neat polymer fractions obtained from 18, 35, 60 and 120 mesh sieve sizes comprise greater than 90 % of the total weight of the neat polymer.

7. (Original) The neat polymer of Claim 1, further possessing an Mw/Mn value of from 1.5 to 70.

8. (Original) The neat polymer of Claim 1, wherein the Mw/Mn values of sieved neat polymer fractions obtained from 18, 35, 60 and 120 mesh sieve sizes do not vary by more than 20 % relative to one another.

9. (Original) The neat polymer of Claim 1, wherein the Mw/Mn values of sieved neat polymer fractions obtained from 18, 35, 60 and 120 mesh sieve sizes do not vary by more than 10 % relative to one another.

10. (Original) The neat polymer of Claim 1, wherein the unprocessed, untreated granular bimodal polyolefin possesses a density of from 0.930 to 0.965 g/cc.

11. (Original) The neat polymer of Claim 1, wherein the unprocessed, untreated granular bimodal polyolefin possesses a density of from 0.910 to 0.940 g/cc.

12. (Original) The neat polymer of Claim 10, wherein the unprocessed, untreated granular bimodal polyolefin further possesses a I_{21} value of from 4 to 12 g/10 min.

13. (Currently amended) The neat polymer of Claim 10, wherein the unprocessed, untreated granular bimodal polyolefin ~~further~~ can be extruded at a rate of from greater than 17 lbs/hour/inch of die circumference.

14. (Original) The neat polymer of Claim 1, wherein the neat polymer is produced in a single gas phase reactor.

15. (Currently amended) The neat polymer of Claim 14 formed by the process of combining a catalyst component slurry is continuously ~~combined~~ with a catalyst component solution, followed by contacting with ethylene and α-olefins in a gas phase fluidized bed reactor; the slurry comprising an activator supported on a support material.